

# Air Monitoring Summary Tables: Evacuation Zone

The tables below summarize preliminary air monitoring data collected using EPA AreaRAE Pro and DustTrak DRX instruments.

**Project Name:** Rockton Chemtool Fire ER  
**Date/Time:** 06/18/21 6:13 to 06/18/21 19:36  
**Weather**  
**Temperature:** 57.2°, high of 93.2°  
**Wind Speed:** 6 - 16 miles per hour  
**Wind Direction:** South/Southwest  
**Conditions:** Mostly Cloudy

Station: Facility North						
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
AreaRAE Pro (S/N: 2412)	VOC (ppm)	1 ppm	No	2	0.00 to 0.02	0.01
	CO (ppm)	--	No	2	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	2	20.2 to 20.3	20.2
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	2	0.0 to 0.0	0.0

Station: Facility West						
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
AreaRAE Pro (S/N: 2410)	VOC (ppm)	1 ppm	No	9	0.00 to 0.03	0.01
	CO (ppm)	--	No	9	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	9	20.6 to 22.0	21.3
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	9	0.0 to 0.0	0.0

Station: Facility East						
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
AreaRAE Pro (S/N: 2413)	VOC (ppm)	1 ppm	No	6	0.00 to 0.00	0.00
	CO (ppm)	--	No	6	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	6	20.2 to 20.4	20.3
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	6	0.0 to 0.0	0.0

Station: Facility South						
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
AreaRAE Pro (S/N: 2411)	VOC (ppm)	1 ppm	No	12	0.00 to 0.14	0.02
	CO (ppm)	--	No	12	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	12	20.0 to 21.9	21.2
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	12	0.0 to 0.0	0.0

Station #5: Stand alone area near stop sign on Chapel and Bridge St						
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
AreaRAE Prop (S/N: 0640)	VOC (ppm)	1 ppm	No	6	0.00 to 0.00	0.00
	CO (ppm)	--	No	6	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	6	20.2 to 20.4	20.3
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	6	0.0 to 0.0	0.0

Station #6: Corner of Union and Ferry						
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	15	0.000 to 0.009	0.005
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	15	0.001 to 0.009	0.005
AreaRAE Pro (S/N: 0643)	VOC (ppm)	1 ppm	No	1	0.00 to 0.00	0.00
	CO (ppm)	--	No	1	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	1	21.5 to 21.5	21.5
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	1	0.0 to 0.0	0.0

Comments
Air monitoring measurements have been averaged over a 1-hour time period and summarized above.
Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.
1 - Chemtool Public Health Screening Levels are based on 1-hour time-weighted averages and were established by ATSDR
<b>Notes:</b> CO - Carbon Monoxide H2S - Hydrogen Sulfide O2 - Oxygen ppm - Parts per million VOC - Volatile organic compounds

## Air Monitoring Summary Tables: Evacuation Zone

The tables below summarize preliminary air monitoring data collected using Handheld DustTrak, SPM Flex, and MultiRAE Pro instruments.

**Date:** 2021-06-18  
**Time:** 07:42 to 17:58

Station EZ-01: 1101-1159 Innovation Dr					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	6	0.000 to 0.000
	HCN	1 ppm	No	6	0.000 to 0.000
	VOC (ppm)	1 ppm	No	6	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	4	0.600 to 1.4
	SO <sub>2</sub> (ppb)	0.2 ppm	No	6	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	6	0.009 to 0.025
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	6	0.010 to 0.040

Station EZ-03: 860-998 N Prairie St					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	6	0.000 to 0.000
	HCN	1 ppm	No	7	0.000 to 0.000
	VOC (ppm)	1 ppm	No	6	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	4	0.600 to 1.2
	SO <sub>2</sub> (ppb)	0.2 ppm	No	5	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	6	0.004 to 0.018
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	6	0.005 to 0.020

Station EZ-05: 907-1099 Watts Ave					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	6	0.000 to 0.000
	HCN	1 ppm	No	6	0.000 to 0.000
	VOC (ppm)	1 ppm	No	6	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	4	0.500 to 3.7
	SO <sub>2</sub> (ppb)	0.2 ppm	No	6	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	Yes	6	0.005 to 0.034
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	6	0.006 to 0.033

Station EZ-06: 14632 S Bluff Rd					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	5	0.000 to 0.000
	HCN	1 ppm	No	5	0.000 to 0.000
	VOC (ppm)	1 ppm	No	5	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	3	0.000 to 0.900
	SO <sub>2</sub> (ppb)	0.2 ppm	No	5	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	5	0.004 to 0.021
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	4	0.004 to 0.020

Station EZ-07: 14728-14758 S Bluff Rd					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	6	0.000 to 0.000
	HCN	1 ppm	No	6	0.000 to 0.000
	VOC (ppm)	1 ppm	No	6	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	4	0.000 to 1.000
	SO <sub>2</sub> (ppb)	0.2 ppm	No	6	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	6	0.004 to 0.020
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	6	0.007 to 0.025

Station EZ-08: 1001-1199 Prairie Hill Rd					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	6	0.000 to 0.000
	HCN	1 ppm	No	6	0.000 to 0.000
	VOC (ppm)	1 ppm	No	6	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	4	0.500 to 1.100
	SO <sub>2</sub> (ppb)	0.2 ppm	No	6	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	Yes	6	0.005 to 0.050
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	Yes	6	0.006 to 0.060

Comments
Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.
1 - Chemtool Public Health Screening Levels are based on 1-hour time-weighted averages and were established by ATSDR.

**Notes:**

CO - Carbon Monoxide

H<sub>2</sub>S - Hydrogen Sulfide

O<sub>2</sub> - Oxygen

MDI - Methylene diphenyl diisocyanate

PM<sub>2.5</sub> - particles that are 2.5 micrometers and smaller

PM<sub>10</sub> - particles that are 10 micrometers and smaller

ppm - Parts per million

VOC - Volatile organic compounds

